

II. Listing of Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-24. (Canceled)

25. (Original) A method for inserting a prosthetic device into an intervertebral space from a transforaminal approach, comprising:

providing a prosthetic device having a first component and a first curved flange extending along a surface of the first component, and a second component and a second curved flange extending along a surface of the second component; and

inserting the first component into a first vertebra and inserting the second component into a second vertebra, whereby the first component engages the second component to provide articulating motion therebetween.

26. (Original) The method of claim 25 wherein the first and second flanges engage and penetrate the first and second vertebra, respectively, during insertion.

27. (Original) The method of claim 25 wherein the first and second flanges are inserted into preformed openings of the first and second vertebra, respectively, during insertion.

28. (Original) The method of claim 25 wherein insertion of the first and second components into the first and second vertebrae, respectively, is accomplished at substantially the same time.

29. (New) A method of intervertebral stabilization, comprising:
accessing a disc space between a first intervertebral member and a second intervertebral member from a posterior lateral approach;
preparing the disc space for insertion of a motion preserving prosthetic device;
and

inserting via the posterior lateral approach a motion preserving prosthetic device into the disc space.

30. (New) The method of claim 29 wherein the preparing includes positioning a cutting guide adjacent at least one of the first intervertebral member and the second intervertebral member and translating a milling bit in the milling guide to cut a transforaminal slot in the at least one of the first intervertebral member and the second intervertebral member.

31. (New) The method of claim 30 wherein the inserting includes positioning a portion of the motion preserving prosthetic device in the transforaminal slot.

32. (New) The method of claim 30 wherein the inserting includes removably connecting the motion preserving prosthetic device to a surgical instrument and translating the surgical instrument to the disc space, and releasing the motion preserving prosthetic device when a desired position of the motion preserving prosthetic device relative to the disc space is attained.

33. (New) The method of claim 30 wherein the motion preserving prosthetic device has first and second articular components that support pivotal and rotational movement between adjacent intervertebral members, and further comprising coupling the first and the second articular components to one another prior to inserting the motion preserving prosthetic device into the disc space.

34. (New) The method of claim 33 wherein the coupling includes forming a ball and socket union between the first and second articular components.

35. (New) A method of spinal stabilization, comprising:
providing a spinal implant device having a first articular component and a second articular component;

cooperatively assembling the first and second articular components such that the first and the second articular components can pivot and rotate relative to one another in a spinal motion preserving manner; and

positioning the assembled spinal implant device in a disc space between adjacent vertebral members from a transforaminal approach to the disc space.

36. (New) The method of claim 35 further comprising preparing the disc space prior to spinal implant positioning, the preparing including cutting a transforaminal slot in a vertebral member adjacent the disc space and removing a disc occupying the disc space.

37. (New) The method of claim 36 wherein the cutting includes positioning a milling guide having a curved opening adjacent the vertebral member and milling the disc with a milling bit that is translated along the curved opening.

38. (New) The method of claim 36 wherein the positioning includes inserting a portion of the assembled spinal implant into the transforaminal slot.

39. (New) The method of claim 35 wherein the assembling includes forming a ball and socket union between the first and the second articular components.

40. (New) The method of claim 35 further comprising clearing the disc space prior to insertion of the assembled spinal implant device, wherein clearing includes opening a neuroforamen adjacent a disc situated in the disc space followed by a posterior trans-pedicle distraction.

41. (New) A method stabilizing a vertebral joint, comprising:
accessing a vertebral joint;
opening the neuroforamen on one side of the vertebral joint;
removing disc material adjacent the opened neuroforamen; and

inserting a motion preserving implant into a disc space previously occupied by the disc material.

42. (New) The method of claim 41 further comprising performing a trans-pedicle distraction after opening of the neuroforamen.

43. (New) The method of claim 41 wherein the removing includes at least one of chiseling and milling the disc material.

44. (New) The method of claim 43 wherein the removing includes milling the disc material, wherein milling includes positioning a milling guide having a curved opening adjacent the vertebral member and milling the disc material with a milling bit that is translated along the curved opening.

45. (New) The method of claim 44 wherein opening includes cutting a transforaminal slot in the neuroforamen and wherein inserting includes lodging a portion of the disc plant in the transforaminal slot.